



PES University, EC Campus, Department of CSE

## Data Analytics and Data Visualization with Tableau

### Mini-project Guidelines

Please go through the instructions carefully

1. The Mini project needs to be done individually and is of 25 Marks.
2. You can pick up any data set of your choice apart from the once used during the course. Also, you can explore the given link for datasets  
<https://www.tableau.com/learn/articles/free-public-data-sets>
3. The following task must be completed through the project

Data Analytics: Identify the nature of dataset (monotonic/normal distribution/poisson distribution/linear etc) and find correlation among the features using the language - R or Python

Data Analytics: Apply regression/ random forest/xgboost/adaboost/gradient boost/any classification algorithm on data set to and justify the evaluation metrics like ROC curves,AUC, precision, recall,F1 score and MSE,MAE.

Identify Measure and Dimensions and create hierarchy .

Prepare at least three types of Charts with your insights.

Add context filters

Create at least two calculated field and parameter.

Create an interactive Dashboard

4. On 9<sup>th</sup> July presentations will be taken as per the schedule attached. Absence will lead to loss of marks.
5. Please note that the final submissions will contain:
  1. Tableau workbook and soft copy of the report to be submitted in the drive link shared:  
<https://drive.google.com/drive/folders/1mXkY8kf8kElwM6xQaXGL0iPqPCxdR94c?usp=sharing>
  2. Evaluation will be based on:
    - level of analysis and visualization made- 10M
    - All task performed- 10 M
    - Presentation+ Q & A- 5 Marks

**Schedule of Presentation- 9<sup>th</sup> July 2022 ,saturday(All students should be present) No further deadlines will be given.**

Name	Start Timings
B V Murali Sai	10 am
Gnanesh A	10:15 am
Ananth E.S	10:30am
Stuti Patel	10:45 am

C. Manvitha	11:00 am
Vighnesh M.S	11:15 am
Hemanth Hegde	11:30 am
Jaaswin Kotian	11:45 am
T.Lohith Srinivas	12:00 pm
Ravi Aishwarya	12:15 pm
Robin Roy	12:30 pm
Srivatsan N	12:45 pm
Y.Raghavendra	1:00pm
Rahul S Bhat	1:15 pm
Gourav Aravinda	1:30 pm
Kaushal Mahajan	1:45 pm
Gowri Nandana	2:00pm
Anushka Gupta	2:15 pm
Veeresh Uppasa	2:30 pm
Samhita Rao	2:45 pm
Malavika V	3:00 pm